

TECHNICAL DATA SHEET



Dy-Mark (Aust) Pty Ltd
PO Box 1556 Toowong 4066
Phone: 1300 396 275 Fax: 1300 360 440
www.dymark.com.au

Dy-Mark EPOXY COAT WATER-BASED



Dy-Mark All-In-One Epoxy Coat Water-Based is a fast dry floor coating that gives a professional finish to interior bare concrete floors. **Epoxy Coat** resists hot tyre pick-up and provides excellent wear and abrasion resistance to heavy foot and vehicle traffic. **Epoxy Coat** is ideal for transforming bare concrete floors in; garages, workshops, rumpus/games rooms and small retail floors, within an area of 18-20 sqm only.

- A single 4 litre kit will cover a standard single garage (18-20 sqm) with one coat.
Note: Two coats are recommended on bare concrete for best results and uniformity.
- Protects against oil stains, beads water and simply wipes clean.
- Suitable for use **ONLY** on interior bare concrete floors.
- **Epoxy Coat is NOT intended for use on unsound previous coatings, on tiles, wet areas, or floors that have a moisture problem.**

DIRECTIONS FOR USE

READ ALL INSTRUCTIONS CAREFULLY BEFORE STARTING PROJECT

It is **HIGHLY RECOMMENDED** to refer to the Instructions Sheet & Safety Data Sheet before use.

These can be found at:

www.dymark.com.au/categories/protectivedecorative/decorative/epoxycoatwb

or



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EPOXY COAT WATER-BASED – INDUCTION TIMES & POT LIFE table:

Temp (°C)	Relative Humidity (%)	Mix Time (Minutes)	Induction Time* (Minutes)	Total Pot Life* (Minutes)
15-20	50	4-5	15-20	70
21-25	50	4-5	10-15	60
26-30	50	4-5	8-10	50
31-35	50	4-5	4-5	40-45

+ **Induction Time:** Allow product to stand after mixing for this time before application.

* **Total Pot Life:** Use all mixed product within this time. (Includes mix time and induction time)

Suitable Surfaces:

Bare concrete floors – **INTERIOR USE ONLY.**

To ensure best results,

CHECK CONCRETE AND DO NOT APPLY EPOXY COAT WATER-BASED IF THE FOLLOWING CONDITIONS EXIST:

Sealed Concrete	To determine if your concrete is sealed, drip a small amount of water onto the surface. If the water beads, a sealer has been used, and this must be removed prior to the application of Epoxy Coat. Do not apply Epoxy Coat over sealed concrete.
Previously Painted Concrete	If your concrete floor has been previously painted, this coating will need to be fully removed prior to the application of Epoxy Coat.
Moisture in Concrete	To determine if there is moisture in your concrete, tape a 60 cm x 60 cm sheet of plastic (e.g. a heavy-duty garbage bag) to the floor. Tape the edges down with duct tape and leave for 24 hours. If water droplets appear on the inside of the plastic or if the concrete appears wet (darker in colour), moisture has been trapped in the concrete and the floor should NOT be coated. Allow 24 hours drying time before repeating test. If moisture persists seek professional advice before applying Epoxy Coat.
Loose or Poorly Cured Concrete / Concrete Dust	Epoxy Coat will not adhere to loose or chipped concrete, or if concrete dust is present on the surface. Ensure that all loose material is removed from the surface and damaged areas are repaired prior to application of the coating.
New Concrete	Allow newly poured concrete to cure for a minimum of 4 weeks prior to coating. New concrete with a smooth finish may require etching prior to coating. Test surface by dripping a small amount of water onto the surface. If the water beads before slowly soaking into the concrete, the surface will need to be etched. New concrete with a rough finish will not require etching.

Ideal Application Temperature:

Air (ambient) and floor temperature **MUST** be between 15°C and 35°C during application. Relative Humidity **MUST** be below 85%.

Coverage:

A single 4 litre kit of Dy-Mark Epoxy Coat Water-Based covers 18–20 sqm depending on the porosity of the surface. (Enough to cover a single car garage with one coat)

Drying Time:

Dries to touch in 2-3 hours. Recoat in 24 hours. Walk or light foot traffic in 24 hours. Heavy foot traffic after 48 hours. Park your car after 5-7 days.

Note: Low temperatures and/or high humidity levels will extend both dry and cure times.

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Preparation:

1. Clean Floor

Preparation is critical to performance.

Remove all dirt and dust by using a broom or vacuum. Use a scrubbing brush and a cleaner/degreaser to remove any oil or grease spots from the floor. Scrub the stained areas thoroughly and wipe up excess cleaner/degreaser with rags or paper towels to keep the residue from spreading. Rinse surface thoroughly with water to remove all residue. Use a wire brush or power sander to remove any loose concrete or deteriorated coatings. Wash floor with detergent/cleaner and a stiff bristle broom. Rinse thoroughly and allow to dry.

Bare concrete surfaces need to be etched to ensure proper adhesion of Epoxy Coat to the concrete.

Note: If the floor is not thoroughly cleaned, completely rinsed and dried, the coating may not adhere properly to the surface.

2. Mixing and Applying Etch

Empty the contents of the Etch packet into a plastic bucket containing 5 litres of warm water. Wear appropriate protective equipment. Pre-wet the floor and distribute the etch solution over a 3 metre x 3 metre section of the floor using a watering can. Work the etch solution into the floor with a stiff bristle broom. The solution may fizz for about 3-4 minutes during the scrubbing process. Once the fizzing stops, hose off the solution and move onto next section. Once etching is complete, rinse thoroughly (scrubbing with a stiff bristle broom whilst rinsing). A foam/rubber squeegee or wet/dry vacuum can be used to remove excess water from the surface.

Once the floor is completely dry, wipe your fingers over the floor. If your fingers pick up dust or powder, continue to rinse and scrub until the floor is clean. Once your fingers remain clean, all etch solution residue has been removed.

For best results, wait 72 hours after etching before applying Epoxy Coat. This will allow the concrete to dry thoroughly.

(Perform moisture test to ensure concrete is dry before applying Epoxy Coat)

3. Repair of Holes & Cracks in Concrete

If necessary, repair holes & cracks in concrete with an appropriate filler. Allow to dry before coating. Sand smooth and ensure to remove all dust before application of Epoxy Coat. (Follow manufacturer's instructions for application and drying time of fillers)

4. Mixing Part A (Base) with Part B (Activator)

Thoroughly stir the contents in each can.

Pour total volume of Part B into the Part A container. Be certain to incorporate all of the Part B into Part A as this affects the colour and quality.

Mix together thoroughly for at least 3-5 minutes with a flat paddle stirrer. **(DO NOT POWER MIX WITH AN ELECTRIC DRILL)**

CAUTION: Painted surfaces may become slippery when wet. Anti-Slip additive may be added to coating during mixing of the 2 parts. (Follow manufacturer's instructions)

WARNING: Most epoxies are irritating to the skin and eyes. Always wear appropriate protective equipment during mixing and handling of this product (e.g. gloves and mask).

5. Induction Time

After mixing Part A with Part B, leave stand for the appropriate Induction time, whilst stirring occasionally.

Refer to Induction Times & Pot Life table.

Use the entire can of Dy-Mark Epoxy Coat within 1 hour of initial mixing.

Do not apply the product when the air, surface or product temperature is below 10°C.

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IMPORTANT:

- **Mix Part A and Part B together thoroughly** to ensure that the epoxy is fully activated.
- After mixing Part A with Part B, leave stand for the appropriate Induction time to ensure it is fully activated.
- **Do not mix the decorative flakes with Epoxy Coat.**
- Do not leave container in direct sunlight.
- Do not add solvents, pigment or accelerator once the 2 parts have been mixed.
- If you will be using more than one kit, do not mix both kits at once.
- Pot life is reduced if more than 4 litres are mixed, or if the temperature exceeds 30°C.
- The coating must be applied within the pot life times listed in the Induction Times & Pot Life table to ensure even gloss and colour. Quality of the coating will deteriorate outside of these times.

Application:

For clean edges, use painter's tape to mask off all trim. Secure the tape by pressing the edge down with a putty knife. Remove tape after 24 hours using a utility knife.

After the minimum Induction (standing) time, use a brush to trim the edges and areas where a roller cannot reach. Use a long handled roller with an epoxy-safe, 12-16mm nap cover to apply an even coat of Epoxy Coat onto the surface. Apply in 1 metre x 1 metre sections, maintaining a wet edge to prevent lap marks. Distribute decorative flakes evenly over each wet, freshly coated section. Skip this step if you do not require a decorative finish. Continue immediately onto the next 1 metre x 1 metre section. **Two coats are recommended on bare concrete for best results and uniformity.**

TECHNICAL DATA

Kit Contents:	Part A – 3L, Part B – 1L, 300g Decorative Flakes, 300g Etch, Stirrer, Instructions
Finish:	Semi-gloss
Colour Range:	Grey, Charcoal
Consistency:	Liquid

HINTS & TIPS

- Suitable for **INTERIOR USE ONLY** on bare concrete floors.
- **Epoxy Coat is NOT intended for use on unsound previous coatings, on tiles, wet areas, or floors that have a moisture problem.**
- Do not attempt to prepare and coat floor in a single weekend. Concrete will require time to dry thoroughly.
- For best results, apply **Epoxy Coat** early morning. The lower temperatures will ensure good pot life.
- Use a watering can to help distribute mixed etch evenly. Where possible, limit foot and vehicle traffic after etching.
- **Mix Part A and Part B together thoroughly** to ensure that the coating is fully activated after Induction time.
- Use a good quality brush and lamb's wool roller/nap cover to apply the product.
- If using more than one kit, do not mix both kits at once.
- For ease of application, have someone on hand to apply the decorative flakes as the product is rolled out.
- Split decorative flakes into 4 containers and use a container on each quarter of the floor. This will help to ensure even distribution of decorative flakes over entire floor.
- Each kit is designed for single use application (over approx. 18-20 sqm) once mixed. Not all garages are the same size so if there is left over paint allow it to harden in container and then dispose.
- For best results, please avoid vehicle traffic for 7-10 days after application of **Epoxy Coat**.
- It is NOT recommended to split the kit to cover small areas.

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KIT CONTENTS



1. Part A - Base
2. Part B - Activator
3. Concrete Etch
4. Decorative Flakes
5. Stirrer
6. Instruction Sheet

EQUIPMENT REQUIRED

- Stiff bristle broom
- Paint brush and tray
- Roller (with long handle)
- 12-16mm nap roller cover
- Hose
- Painters tape for skirting boards
- Appropriate filler and filling blade
- 120 grit sandpaper
- 9 litre bucket/container
- Utility knife
- Squeegee
- Watering can
- Degreaser/cleaner

STORAGE

Keep containers closed when not in use. Store below 50°C. Do not store in direct sunlight.

DISPOSAL

Dispose of roller and brushes used to apply Epoxy Coat. Allow left over paint to harden in container and dispose of according to regional regulations.

FIRST AID/SAFETY INFORMATION

Please refer to Safety Data Sheet before use. Safety data sheets are available for download from our website www.dymark.com.au or from following QR code:



Call a POISON CENTRE: Australia 13 11 26, New Zealand 0800 764 766 or doctor/physician if you feel unwell.
Keep out of reach of children.

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DISCLAIMER

The information provided within this Technical Data Sheet is intended as a guide only. The Slip resistance and performance of this product depends on many factors outside the control of Dy-Mark; including surface preparation, surface-specific conditions, surface types, correct application and environmental conditions.

Dy-Mark recommends customers undertake their own risk assessment prior to use to determine the suitability of the product for the particular use intended. Some factors to consider:

- Slip resistance required
- Surface type
- Volume of traffic
- Potential exposure to any surface contaminants eg. Water, solvents or chemicals

As environmental/surface conditions and correct use of our materials are beyond our control, we can guarantee these products only to conform to our standards of quality, and our liability, if any, will be limited to replacement of defective materials. All technical information is subject to change without notice.

For further information please contact the Dy-Mark Sales and Customer Support Centre on 1300 396 275.